Location in relation to wind farm

Location in relation to property boundary



853 Angas Valley Road Location Plan:

Superimposed computer generated model using existing view to demonstrate potential visual effect in the landscape



Existing View towards proposed wind farm



The photomontage has been developed using a best practise approach in order to provide an indication of the potential visual effect that will result from the development of the Palmer Wind Farm in the vicinity of your property.

The photomontage represents a realistic image of the wind farm and includes vegetation, local landforms and buildings in the landscape.

Photomontage methodology

- A surveyed digital terrain model at 2 m contour resolution is used to represent the topography that will be experienced around the property
- High resolution panoramic photography is taken using a mechatronic panoramic head and digital SLR camera to ensure accurate stitching of the base images which form the existing view panorama.
- An accurate digital 3 dimensional model of the wind turbine is created (based on a maximum height of 220 metres)
- A rendered digital 3D model of the wind farm is placed in to the existing panorama, using GPS (global positional system) coordinates and trigonometrically aligned to local features to verify the position of the turbines

turbines

Viewing of photomontage

The photomontage provides a representation of the potential visual effect. To appreciate the scale of the turbines in the landscape, it is recommended that the photomontage is printed at a minimum of A3 and is viewed at a distance 50 to 60 mm with the page curved around the viewer's head. While this focal length may cause some blurring of the image, the scale of the landscape and turbines will be representative of the potential visual effect (alternatively the pdf can be printed at full size and viewed at a distance of 400 to 500 mm). The detailed photomontage can be enlarged on the computer screen to 200% of the original size of the PDF.

 Vegetation, landforms and buildings to the foreground of the existin panorama are used to mask (where appropriate) the proposed wind

Maximum Wind Turbine Size :



Notes:

- eastings position (MGA):
- northing position (MGA):
- elevation of viewpoint (m):
- date photograph was taken:
- time of day:
- focal length of camera:
- horizontal field of view:
- Distance to closest turbine:

-34.767889°E 139.140917°S 421.57m 1.57m height of camera above ground: 05.04.24 14:17 Canon 5D (35mm sensor) with the focal length of 50mm lens direction of camera to centre of view: 157° **120**° 4080 m (B40)



Landscape and Visual Impact Assessment consultants:





Photomontages to be viewed at a distance of 400 to 500mm when printed at full size (1.8m)